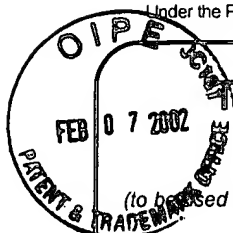


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Approved for use through 10/31/2002. OMB 0651-0031

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

|                        |                   |
|------------------------|-------------------|
| Application Number     | 09/937,680        |
| Filing Date            | November 29, 2001 |
| First Named Inventor   | Ansari, Zahid     |
| Group Art Unit         | 1615              |
| Examiner Name          |                   |
| Attorney Docket Number | 019730-000110US   |

Total Number of Pages in This Submission

6

## ENCLOSURES (check all that apply)

- |  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment / Response<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)<br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>Return Postcard<br>Request for Corrected Filing Receipt |
|--|--|--|

Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|                          |   |                 |
|--------------------------|---|-----------------|
| Firm and Individual name | Townsend and Townsend and Crew LLP<br>William F. Vobach | Reg. No. 39,411 |
| Signature                | <i>William F. Vobach</i>                                |                 |
| Date                     | January 14, 2002  |                 |

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Date

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# FEE TRANSMITTAL

## for FY 2001

Patent fees are subject to annual revision.

FEB 07 2002

PATENT & TRADEMARK OFFICE

### Complete if Known

Application Number 09/937,680  
 Filing Date November 29, 2001  
 First Named Inventor Ansari, Zahid  
 Examiner Name  
 Group Art Unit 1615  
 Attorney Docket No. 019730-000110US

TOTAL AMOUNT OF PAYMENT (\$) 0

### METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

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- ☒ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17  
☒ Applicant claims small entity status.  
See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

### FEE CALCULATION

#### 1. BASIC FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 101            | 740             | 201            | 370             | Utility filing fee     |          |
| 106            | 330             | 206            | 165             | Design filing fee      |          |
| 107            | 510             | 207            | 255             | Plant filing fee       |          |
| 108            | 740             | 208            | 370             | Reissue filing fee     |          |
| 114            | 160             | 214            | 80              | Provisional filing fee |          |

SUBTOTAL (1)

(\$)

#### 2. EXTRA CLAIM FEES

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------|----------------|----------|
| -20**        | X            |                |          |
| -3**         | X            |                |          |
|              | X            |                |          |

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description  |
|----------------|-----------------|----------------|-----------------|--|
| 103            | 18              | 203            | 9               | Claims in excess of 20                                     |
| 102            | 84              | 202            | 42              | Independent claims in excess of 3                          |
| 104            | 280             | 204            | 140             | Multiple dependent claim, if not paid                      |
| 109            | 84              | 209            | 42              | ** Reissue independent claims over original patent         |
| 110            | 18              | 210            | 9               | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$)

\*\*or number previously paid, if greater; For Reissues, see above

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description  | Fee Paid |
|----------------|-----------------|----------------|-----------------|--|----------|
| 105            | 130             | 205            | 65              | Surcharge - late filing fee or oath  |          |
| 127            | 50              | 227            | 25              | Surcharge - late provisional filing fee or cover sheet.                    |          |
| 139            | 130             | 139            | 130             | Non-English specification  |          |
| 147            | 2,520           | 147            | 2,520           | For filing a request for reexamination                                     |          |
| 112            | 920*            | 112            | 920*            | Requesting publication of SIR prior to Examiner action                     |          |
| 113            | 1,840*          | 113            | 1,840*          | Requesting publication of SIR after Examiner action                        |          |
| 115            | 110             | 215            | 55              | Extension for reply within first month                                     |          |
| 116            | 400             | 216            | 200             | Extension for reply within second month                                    |          |
| 117            | 920             | 217            | 460             | Extension for reply within third month                                     |          |
| 118            | 1,440           | 218            | 720             | Extension for reply within fourth month                                    |          |
| 128            | 1,960           | 228            | 980             | Extension for reply within fifth month                                     |          |
| 119            | 320             | 219            | 160             | Notice of Appeal   |          |
| 120            | 320             | 220            | 160             | Filing a brief in support of an appeal                                     |          |
| 121            | 280             | 221            | 140             | Request for oral hearing   |          |
| 138            | 1,510           | 138            | 1,510           | Petition to institute a public use proceeding                              |          |
| 140            | 110             | 240            | 55              | Petition to revive - unavoidable   |          |
| 141            | 1,280           | 241            | 640             | Petition to revive - unintentional   |          |
| 142            | 1,280           | 242            | 640             | Utility issue fee (or reissue)   |          |
| 143            | 460             | 243            | 230             | Design issue fee   |          |
| 144            | 620             | 244            | 310             | Plant issue fee  |          |
| 122            | 130             | 122            | 130             | Petitions to the Commissioner  |          |
| 123            | 50              | 123            | 50              | Petitions related to provisional applications                              |          |
| 126            | 180             | 126            | 180             | Submission of Information Disclosure Stmt                                  |          |
| 581            | 40              | 581            | 40              | Recording each patent assignment per property (times number of properties) |          |
| 146            | 740             | 246            | 370             | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149            | 740             | 249            | 370             | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179            | 740             | 279            | 370             | Request for Continued Examination (RCE)                                    |          |
| 169            | 900             | 169            | 900             | Request for expedited examination of a design application                  |          |

Other fee (specify)

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\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

### SUBMITTED BY

Name (Print/Type)

William F. Vobach

Registration No. (Attorney/Agent)

39,411

Telephone

303-571-4000

Signature

William F. Vobach

Date

January 14, 2002

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TOWNSEND and TOWNSEND and CREW LLP

By Kay Barclay  
Kay Barclay

Attorney Docket No.: 19780-00011003

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ansari, Zahid et al.

Application No.: 09/937,680

Filed: November 29, 2001

For: **METHOD AND APPARATUS FOR  
PROVIDING PULSE WIDTH  
MODULATION**

Examiner:

Art Unit: 1615

REQUEST FOR CORRECTED FILING  
RECEIPT

Assistant Commissioner for Patents  
Washington, D.C. 20231

ATTN: Customer Correction Branch  
Application Processing Division

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Sir:

Attached is a copy of the official Filing Receipt received from the Patent and Trademark Office in the above-noted application for which issuance of a corrected filing receipt is respectfully requested.

There are two errors in that the city for the first inventor, Zahid Ansari, is incorrect and the third inventor, Jonathan Andrew Guy, the city is not listed, rather the street address is shown and should read as follows:

Zahid Ansari, Menlo Park, CA;

Jonathan Andrew Guy, Austin, TX;

The corrections are not due to any error by applicant and no fee is due.

Respectfully submitted,

*William F. Vobach*

William F. Vobach  
Reg. No. 39,411

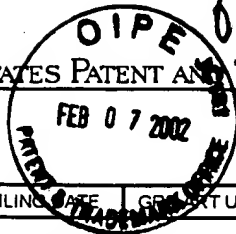
TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, 8th Floor  
San Francisco, CA 94111-3834  
Phone (303) 571-4000  
Fax (303) 571-4321

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| APPLICATION NUMBER | FILING DATE | GRANT UNIT | FIL FEE REC'D | ATTY. DOCKET NO. | DRAWINGS | TOT CLAIMS | IND CLAIMS |
|--------------------|-------------|------------|---------------|------------------|----------|------------|------------|
| 09/937,680         | 11/29/2001  | 1615       | 620           | 19730-000110US   | 7        | 30         | 6          |

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CONFIRMATION NO. 3828

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SAN FRANCISCO, CA 94111-3834

JAN 11 2002

FILING RECEIPT



\*OC000000007228989\*

Date Mailed: 12/26/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Zahid Ansari, Marian Park, CA;  
Bruno L. Prickett, Fremont, CA;  
Jonathan Andrew Guy, Brammer Drive, TX;

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/US00/08562 03/28/2000  
WHICH CLAIMS BENEFIT OF 60/126,770 03/29/1999  
THIS APPLICATION 09/937,680  
CLAIMS BENEFIT OF 60/164,083 11/05/1999  
AND CLAIMS BENEFIT OF 60/163,707 11/05/1999  
AND CLAIMS BENEFIT OF 60/164,326 11/07/1999

## Foreign Applications

Projected Publication Date: Not Applicable, filed prior to November 29,2000

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

Title

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Method and apparatus for providing pulse width modulation

Preliminary Class

424

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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